

HANDOUT 8 – MIDDLE SCHOOLS

SUMMARY TABLES OF RECOMMENDED PERSONNEL, NON PERSONNEL, TECHNOLOGY SPECIFICATIONS

Middle School Profiles

| Sample School | Middle School #1: (600 students -- grades 6-8) | Middle School #2: (300 students -- grades 6-8) |
|---------------------------------------|--|--|
| Total Enrollment | 600 | 300 |
| Enrollment Per Grade | 200 | 100 |
| Number of At-Risk Students (60%) | 360 | 180 |
| ELL Students (9%) | 54 | 27 |
| Gifted Students (5%) | 30 | 15 |
| Special Education Students – Level 1* | 37 | 19 |
| Special Education Students – Level 2* | 33 | 12 |
| Special Education Students – Level 3* | 12 | 6 |
| Special Education Students – Level 4* | 21 | 11 |

* Assumes 17% of enrolled students in DCPS and public charter schools are Special Education students

Source: District of Columbia Superintendent of Education, “FY13 LEA and School Level Enrollment Audit Reports.” Office of the State Superintendent of Education, <http://osse.dc.gov/publication/fy13-lea-and-school-level-enrollment-audit-reports>.

Summary of Recommended Personnel Specifications – Middle School

| | Base Personnel | At-Risk Personnel | ELL Personnel | Gifted Personnel | Special Education Personnel | Total Personnel |
|---------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------|
| Middle School #1: 600 Students | | | | | | |
| Teachers | 32.0 | 7.5 | 2.8 | | 7.9 | 50.2 |
| Intervention Teacher | | 3.6 | | 0.3 | | 3.9 |
| Adaptive PE Teacher | | | | | 0.5 | 0.5 |
| Librarians/Media Specialists | 1.0 | | | | | 1.0 |
| Technology Specialists | 1.0 | | | | | 1.0 |
| Instructional Aides | | | 0.5 | | 2.6 | 3.1 |
| Full-time Substitute | 2.0 | | | | | 2.0 |
| Additional Substitutes | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | |
| Subtotal: Instructional Staff | 36.0 | 11.1 | 3.3 | 0.3 | 11.0 | 61.7 |
| Student Support Staff | | 3.6 | 0.4 | | | 4.0 |
| - Counselors | 2.4 | | | | | 2.4 |

| | Base Personnel | At-Risk Personnel | ELL Personnel | Gifted Personnel | Special Education Personnel | Total Personnel |
|--|------------------------|------------------------|------------------------|------------------------|-----------------------------|-----------------|
| - Nurses | 1.0 | | | | | 1.0 |
| - Psychologist | | | | | 0.8 | 0.8 |
| - Social Worker/Behavior Therapist | 0.5 | | | | 0.8 | 1.3 |
| - Speech, Occupational and Physical Therapists | | | | | 2.3 | 2.3 |
| Subtotal: Student Support Staff | 3.9 | 3.6 | 0.4 | | 3.9 | 11.8 |
| Principal | 1.0 | | | | | 1.0 |
| Assistant Administrator | 1.0 | | | | | 1.0 |
| Special Education Coordinator | | | | | 1.0 | 1.0 |
| ELL Coordinator | | | 0.1 | | | 0.1 |
| Instructional Facilitator (Coach) | 2.0 | | | | 0.7 | 2.7 |
| Office Manager | 1.0 | | | | | 1.0 |
| Business Manager | 0.5 | | | | | 0.5 |
| Registrar/Attendance | 1.0 | | | | | 1.0 |
| Clerical/Data Entry | 1.0 | | | | | 1.0 |
| Subtotal: Administrative Staff | 7.5 | | 0.1 | | 1.7 | 9.3 |
| Security | 3.0 | 1.0 | | | | 3.0 |
| Subtotal: Other Staff | 3.0 | 1.0 | 0.1 | | 1.7 | 5.8 |
| Total Staff | 50.4 | 15.7 | 3.9 | 0.3 | 18.3 | 88.6 |
| Students per Instructional Staff | | | | | | 9.7:1 |
| Students per Total Staff | | | | | | 6.8:1 |
| Middle School #2: 300 Students | | | | | | |
| Teachers | 16.0 | 6.2 | 1.4 | | 3.7 | 27.3 |
| Intervention Teacher | | 1.8 | | 0.2 | | 2.0 |
| Adaptive PE Teacher | | | | | 0.3 | 0.3 |
| Librarians/Media Specialists | 1.0 | | | | | 1.0 |
| Technology Specialists | 0.5 | | | | | 0.5 |
| Instructional Aides | | | 0.3 | | 1.4 | 1.7 |
| Full-time Substitute | 1.0 | | | | | 1.0 |
| Additional Substitutes | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | 5 days/ teacher | |
| Subtotal: Instructional Staff | 18.5 | 8.0 | 1.7 | 0.2 | 5.4 | 33.8 |
| Student Support Staff | | 1.8 | 0.2 | | | 2.0 |
| - Counselors | 1.2 | | | | | 1.2 |
| - Nurses | 1.0 | | | | | 1.0 |
| - Psychologist | | | | | 0.4 | 0.4 |

| | Base Personnel | At-Risk Personnel | ELL Personnel | Gifted Personnel | Special Education Personnel | Total Personnel |
|--|----------------|-------------------|---------------|------------------|-----------------------------|-----------------|
| - Social Worker/Behavior Therapist | 0.3 | | | | 0.4 | 0.7 |
| - Speech, Occupational and Physical Therapists | | | | | 1.1 | 1.1 |
| Subtotal: Student Support Staff | 2.5 | 1.8 | 0.2 | | 1.9 | 6.4 |
| Principal | 1.0 | | | | | 1.0 |
| Assistant Administrator | 0.5 | | | | | 0.5 |
| Special Education Coordinator | | | | | 0.6 | 0.6 |
| ELL Coordinator | | | 0.1 | | | 0.1 |
| Instructional Facilitator (Coach) | 2.0 | | | | 0.3 | 2.3 |
| Office Manager | 0.5 | | | | | 0.5 |
| Business Manager | 0.5 | | | | | 0.5 |
| Registrar/Attendance | 0.5 | | | | | 0.5 |
| Clerical/Data Entry | 1.0 | | | | | 1.0 |
| Subtotal: Administrative Staff | 6.0 | | 0.1 | | 0.9 | 7.0 |
| Security | 2.0 | 1.0 | | | | 3.0 |
| Subtotal: Other Staff | 2.0 | 1.0 | | | | 3.0 |
| Total Staff | 29.0 | 10.8 | 2.0 | 0.2 | 8.2 | 50.2 |
| Students per Instructional Staff | | | | | | 8.9:1 |
| Students per Total Staff | | | | | | 6.0:1 |

Source: Professional Judgment Panel deliberations. Evidence base: Michael E. Goetz, Allen R. Odden, and Lawrence O. Picus, "Using Available Evidence to Estimate the Cost of Educational Adequacy," Education Finance and Policy v3 n3 (2008): 374-397. The recommendations are derived from both the Professional Judgment panel specifications and the evidence base.

Recommended Middle School Non-Personnel Resources

| | Middle School#1: 600 Students | Middle School #2: 300 Students |
|-----------------------------|----------------------------------|-----------------------------------|
| Additional Resources | | |
| Professional development | 15 days/ teacher | 15 days/ teacher |
| | \$100/ student | \$100/ student |
| Supplies & materials | \$225/ student | \$225/ student |
| Textbooks | \$60/ student | \$60/ student |
| Equipment | \$50/ student | \$50/ student |
| Technology licensing | \$30/ student | \$30/ student |
| Student activities | \$300/ student | \$300/student |

Source: Professional Judgment Panel deliberations. Evidence base: Michael E. Goetz, Allen R. Odden, and Lawrence O. Picus, "Using Available Evidence to Estimate the Cost of Educational Adequacy," Education Finance and Policy v3 n3 (2008): 374-397. The recommendations are derived from both the Professional Judgment panel specifications and the evidence base.

Recommended Middle School Technology Hardware

| | Middle School #1: 600 Students | Middle School #2: 300 Students |
|---------------------------------|-----------------------------------|-----------------------------------|
| Administrative Computers | | |
| Computers | 1 per staff | 1 per staff |
| Printers | 1 per administrator | 1 per administrator |
| Copier | 3 | 2 |
| Servers | 2 | 2 |
| Switches and Routers | | |
| Faculty Laptops | 1 per staff | 1 per staff |
| Classroom | | |
| Computers | 5 per classroom | 5 per classroom |
| Smartboard | 1 per classroom | 1 per classroom |
| Document Camera | 1 per classroom | 1 per classroom |
| Computer Lab(s)- Fixed | | |
| Computers | 25 | 25 |
| Printer/Scanners | 1 | 1 |
| Smartboard | 1 | 1 |
| Computer Lab(s)- Mobile | 8 | 4 |
| Laptops | 25 | 25 |
| Printers/Scanners | 1 per mobile cart | 1 per mobile cart |
| Media Center | | |
| Computers | 3 | 3 |
| Flip Cameras | 21 | 21 |
| Copier | 1 | 1 |

Source: Professional Judgment Panel deliberations. There is currently no evidence base on adequate technology for students.

Recommended Middle School Additional Programs

| | Middle School #1: 600 Students | | Middle School #2: 300 Students | |
|------------------------|--|--|--|--|
| Program Name | Before or After School Program | Summer School | Before or After School Program | Summer School |
| # of Pupils Served | 50% of at-risk students, ELL L1 and L2 | 50% of at-risk students, ELL L1 and L2 | 50% of at-risk students, ELL L1 and L2 | 50% of at-risk students, ELL L1 and L2 |
| Type of Student Served | At-risk, ELL | At-risk, ELL | At-risk, ELL | At-risk, ELL |
| Grade Level | 6-8 | 6-8 | 6-8 | 6-8 |
| Program Specifics | 2 hours | 6 to 8 weeks, full day | 2 hours | 6 to 8 weeks, full day |
| Personnel | | | | |
| Teachers | 30:1 | 30:1 | 30:1 | 30:1 |
| - Social Worker | | 1.0 | | 1.0 |
| Instructional Aides | | | | |
| Coordination | 0.5 | | 0.5 | |
| Security | | 1.0 | | 1.0 |
| Other Costs | | | | |
| Interventions | | \$500/student | | \$500/student |

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Source: Professional Judgment Panel deliberations.